



1221353

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99354 • (509) 372-7950
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

August 13, 2013

13-NWP-082

Mr. Matthew McCormick, Manager
United States Department of Energy
Richland Operations Office
PO Box 550, MSIN: A7-50
Richland, Washington 99352

Mr. Scott Samuelson, Manager
United States Department of Energy
Office of River Protection
PO Box 450, MSIN: H6-60
Richland, Washington 99352

Mr. Dave Olson, President
Washington River Protection Solutions, LLC
PO Box 850, MSIN: H6-63
Richland, Washington 99352

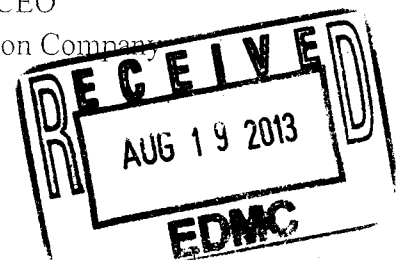
Ms. Carol Johnson General Manager
Washington Closure Hanford, LLC
620 Fermi Avenue, MSIN: H4-24
Richland, Washington 99354

Mr. Frank Arnijo, President
Mission Support Alliance, LLC
2490 Garlick Boulevard, MSIN: H1-30
Richland, Washington 99354

Ms. Peggy McCullough, Project Director
Bechtel National, Inc.
2435 Stevens Center Place, MSIN: H4-02
Richland, Washington 99354

Mr. Michael Schlender
Associate Laboratory Director, Operational
Systems Pacific
Pacific Northwest National Laboratory
PO Box 999, MSIN: K1-46
Richland, Washington 99352

Mr. John Fulton, President and CEO
CH2M HILL Plateau Remediation Company
PO Box 1600, MSIN: H7-30
Richland, Washington 99352



Re: United States Department of Energy's Letter 13-ESQ-0050, Dated July 3, 2013, "Class 1 Modifications to the Hanford Facility Resource Conservation and Recovery Act Permit (Permit), Quarter Ending June 30, 2013"

Dear Ladies and Gentlemen:

The Department of Ecology (Ecology) reviewed the referenced letter and enclosures to confirm that all Class 1 Modifications and Class 1¹ Modifications to the Permit for the quarter ending June 30, 2013, were identified, reviewed, and approved.

Listed on this letter for the modifications are page numbers of the Hanford Facility RCRA Permit Modification Notification Forms, unit groups in the Permit being modified, class of the modifications, and summaries of the modifications. These are in the enclosures of the referenced letter.



400 Area Waste Management Unit (400 Area WMU)

The following modifications to the 400 Area WMU, Part III, Operating Unit Group 16 are approved:

Page 2 of 3	Hanford Facility RCRA Permit III.16 Conditions	Class 1
Page 3 of 3	Addendum G, Training Matrix	Class 1

The modifications to the 400 Area WMU, dated May 13, 2013, changes one date in the list of addenda and changes one job title in the training matrix from "Supervisor" to "Manager." This change does not affect the amount of training provided to employees.

Integrated Disposal Facility (IDF)

The following modifications to the IDF, Part III, Operating Unit Group 11 are approved:

Page 2 of 18	Hanford Facility RCRA Permit III.16 Conditions	Class 1
Page 3 of 18	Chapter 3.0, Section 3.1	Class 1
Page 4 of 18	Chapter 3.0, Section 3.2	Class 1
Page 5 of 18	Chapter 3.0, Section 3.3	Class 1
Page 6 of 18	Chapter 3.0, Section 3.4.1	Class 1
Page 7 of 18	Chapter 3.0, Section 3.4.1.1	Class 1
Page 8 of 18	Chapter 3.0, Section 3.4.1.2.1	Class 1
Page 9 of 18	Chapter 3.0, Section 3.4.1.2.2	Class 1
Page 10 of 18	Chapter 3.0, Section 3.4.1.3	Class 1
Page 11 of 18	Chapter 3.0, Section 3.4.1.4.1	Class 1
Page 12 of 18	Chapter 3.0, Section 3.4.2	Class 1
Page 13 of 18	Chapter 3.0, Section 3.4.3	Class 1
Page 14 of 18	Chapter 3.0, Section 3.4.9	Class 1
Page 15 of 18	Chapter 3.0, Section 3.4.10	Class 1
Page 16 of 18	Chapter 3.0, Section 3.4.11	Class 1
Page 17 of 18	Chapter 3.0, Section 3.6	Class 1
Page 18 of 18	Chapter 3.0, Section 3.7	Class 1

The modifications to the IDF, dated June 24, 2013, are administrative and include changes to correct formatting errors, sections numbers, dates, and to remove reference information for documents not cited in the issued Permit.

Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility (LERF/ETF)

The following modification to LERF/ETF, Part III, Operating Unit Group 3 is approved:

Page 2 of 2	Hanford Facility RCRA Permit III.3 Conditions	Class 1
-------------	---	---------

The modification, dated June 25, 2013, changes dates in the list of addenda for the LERF/ETF associated with a recently approved Class 2 Permit Modification.

242-A Evaporator

The following modifications to the 242-A Evaporator, Part III, Operating Unit Group 4 are approved:

Page 2 of 5	Hanford Facility RCRA Permit III.4 Conditions	Class 1
Page 3 of 5	Chapter 4.0, Section 4.1.3	Class ¹ 1
Page 4 of 5	Chapter 4.0, Figure 4.2	Class ¹ 1
Page 5 of 5	Chapter 11.0, Section 11.2.3	Class ¹ 1

The modifications to the 242-A Evaporator, dated June 26, 2013, concern isolating and by-passing a feed sampler from the system. They do not change the sampling process or requirements of the Permit described in the waste analysis plan for the treatment process of the 242-A Evaporator. The modifications include administrative changes to addenda titles and dates as well as text and figure changes in the process information section. In addition, the closure plan was modified to specifically identify the need to address the feed sampler during unit closure.

Waste Treatment Plant (WTP)

The following modifications and Permit Equivalency Notices to the WTP, Part III, Operating Unit Group 10 are approved:

24590-HLW-PCN-ENV-11-007, Class ¹1 Modification

The modification was approved on April 18, 2013, and updates the Corrosion Evaluation 24590-HLW-N1D-HDH-00003, Revision 8, for the High Level Waste HDH-VSL-00002 and HDH-VSL-00004 Canister Decon Vessels in Appendix 10.9.

24590-LAW-PCN-ENV-13-001, Class ¹1 Modification

The modification was approved on April 18, 2013, and updates the *IQRPE Structural Integrity Assessment Report For LAW LVP HEPA Filter Housings (LVP-HEPA-00001A/2A/3A and -00001B/2B)* in Appendix 9.11.

24590-HLW-PCN-ENV-12-002, Class ¹1 Modification

The modification was approved on April 23, 2013, and updates four P&IDs for the HLW Melter Offgas Treatment Process System in Appendix 10.2.

24590-WTP-PCN-ENV-12-004, Class ¹1 Modification

The modification was approved on April 29, 2013, and updates the *River Protection Project – Waste Treatment Plant Engineering Specification for Maintenance Decontamination Equipment* (24590-WTP-3PS-HD00-T0001, Revision 4) in Appendix 7.7.

24590-PTF-PCN-ENV-10-035, Class ¹1 Modification

The modification was approved on May 8, 2013, and updates Mechanical Data Sheets and Equipment Assembly Drawings for the Pretreatment Facility Ultrafiltration Feed Vessels UFP-VSL-00002A and UFP-VSL-00002B in Appendix 8.6.

24590-PTF-PCN-ENV-09-001, Class ¹1 Modification

The modification was approved on May 8, 2013, and updates the Mechanical Data Sheets for the Pretreatment Facility Cesium Nitric Acid Recovery Process System in Appendix 8.6. The modification also removes a Mechanical Data Sheet for the Pulse Jet Ventilation System, which addressed a vessel that was removed from the design.

24590-LAB-PEN-ENV-13-0001, Permit Equivalency Notice

The Permit Equivalency Notice was approved on May 31, 2013, and updates the Permit Process Flow Diagram 24590-LAB-M5-V17T-00029 in Appendix 11.1.

24590-LAW-PEN-ENV-12-0001, Permit Equivalency Notice

The Permit Equivalency Notice was approved on May 31, 2013, and updates the *IQRPE Structural Integrity Assessment Report for LAW LVP Activated Carbon Bed Adsorbers (LVP-ADBR-00001A/B)*. 24590-CM-HC4-HXYG-00240-02-00001, Revision 00A, in Appendix 9.11.

24590-LAW-PCN-ENV-11-008, Class 1 Modification

The modification was approved on June 4, 2013, and updates the *LAW Vitrification Building General Arrangement Plan at EL. 48'-0,"* 24590-LAW-P1-P01T-00005, Revision 4. The Hanford Facility RCRA Permit Modification Notification Form identifies this change as a Class ¹1 Modification. However, it was subsequently determined to be a Class 1 Modification, and Ecology's approval letter (13-NWP-059) identifies it as such.

24590-PTF-PCN-ENV-12-007, Class ¹1 Modification

The modification was approved on June 5, 2013, and updates Piping and Instrumentation Diagrams (P&ID) for the following systems in Appendix 8.2. The modification also removes a P&ID for vessel CXP-VSL-00001.

- Cesium Ion Exchange Process System.
 - Vessel CXP-VSL-00004.
- Waste Feed Evaporation Process System.
 - Evaporator Feed Vessels (FEP-VSL-00017A and FEP-VSL-00017B).
 - Evaporator Feed Pump (FEP-PMP-00007A).

- Feed Vessel Bubbler.
- Reboilers (FEP-RBLR-00001A and FEP-RBLR-00001B).
- Plant Service Air System Utility Services Racks (PSA-RK-00021 and PSA-RK-00022).
- Pulse Jet Mixers (FEP-PJM-00001 through FEP-PJM-00015 and FEP-PJM-00017).
- Utility Services Plant Wash Rack (PWD-RK-00002).

If there are any questions, please contact Andrea Prignano, Site-wide Dangerous Waste Permit Coordinator, at andrea.prignano@ecy.wa.gov or (509) 372-7911.

Sincerely,



Suzanne Dahl
Tank Waste Treatment Section Manager
Nuclear Waste Program

ap:jc

cc electronic:

Dave Bartus, EPA
Dennis Faulk, EPA
Cliff Clark, USDOE
Lori Huffman, USDOE
Woody Russell, USDOE
William Taylor, USDOE

Brad Erlandson, BNI
Jon Perry, MSA
Ken Niles, ODOE
Andrea Prignano, Ecology
USDOE-ORP Correspondence Control
USDOE-RL Correspondence Control

cc: Moussa Jaraysi, CHPRC
Kirk Peterson, MSA
Eric Damberg, PNNL
Roger Landon, WCH
Phillip Peistrup, WRPS
Stuart Harris, CTUIR
Gabriel Bohnee, NPT

Russell Jim, YN
Steve Hudson, HAB
Administrative Record: HSWP
BNI Correspondence Control
CH2M Hill Correspondence Control
Environmental Portal
WRPS Correspondence Control